



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MEMORANDUM

SUBJECT: 92-MS-07. Section 18 Exemption for Myclobutanil on Strawberries. DRES Dietary Exposure/Risk Assessment.

FROM: Richard Griffin *Richard Griffin* 9/22/92
Chemistry Branch I / Tolerance Support
Health Effects Division (H7509C)

THROUGH: Debra Edwards, Acting Chief *Debra Edwards*
CB I/TS, HED

TO: Susan Stanton, PM 41
Emergency Response and Minor Use Section
RSB, Registration Division (H7505C)

Toxicological Endpoints

RfD: The Reference Dose is 0.025 mg/kg body weight/day, based on a 2 year rat study (feeding) which demonstrated testicular atrophy.

Residues:

40 CFR 180.443 and 184.4350: apples, grapes, raisins, milk, eggs, meats, and meat by-products (Table 1).

Exposure estimates are based on the above tolerance residues and the "not expected to exceed level" for strawberries of 1.0 ppm.

Percent Crop Treated:

All commodities are evaluated at 100 percent.

Exposure/Risk Estimates:

Published Uses: Tolerance x 100% Use (TMRC) mg/kg/day

Overall U.S. population: 0.001468 (6% RfD)
Non-nursing infants: 0.007757 (31% RfD)
Children (1-6 yrs): 0.004480 (18% RfD)

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Exposure/Risk cont.

Strawberries: 1.0 ppm x 100% Use (TMRC) mg/kg/day

Overall U.S.: 0.000034 (<1% RfD)
 NN Infants: 0.000027 (<1% RfD)
 Children: 0.000060 (<1% RfD)

cc: R. Griffin, RF, 18 File, Toxicology

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